Infinity IP Server™ (mini) 50ch 2TB
Real Time, 1 RU, Quick Starting, Embedded Linux®
Based, Remotely Manageable, Multi Channel Streaming
Playout Server for Content. Incorporates a Scheduler.
Runs on an Intel® Xeon® CPU. Relies on a "Minimal"
Linux® Kernel (Residing in a Flash Memory Device) that
is Highly Task Optimized for Streaming Many Channels,
Operated via a Friendly GUI that can be Run From
Anywhere. Specifically Designed for Playing Continuous
Streaming to and from Hard Drive. Outputs up to 50 IP
Streams at the Same Time. Create Your Own 50
"Streaming" Web Channels with 50 Different Movies
or Content Playing on Your Preset Schedule.

Features

- Streams multiple output protocols from the
  on board 2 TB hard drive
- Use individual files or multiple playlists for input
- Watch Folder Mechanism for updates
- Scheduler for streaming via NTP
- Output HLS with MP4, H.264, or optional
  H.265 ts files
- Expandable Hard Disk via SANs, etc.
- Outputs: Fifty simultaneous IP streams through GigE port (RJ45)
- IP output protocols: UDP, RTP, RTMP (Open Flash), HTTP, with DLNA support
- Support for adaptive bitrate streaming protocols such as HTTP Live Streaming and
  MPEG-DASH
- Supports M3u8 playlist files (standalone and through HTTP Live)
- Supports any resolution you provide
- Tested compatible with major brands of IP devices including Amino™, Roku®,
  Telergy, Android™, and Apple iPad® and iPhone®
- Supports Verimatrix® VCAS™ and other rotating key servers
- Remote GUI includes some scheduling
- SNMP, REST, SOAP support for remote management and monitoring
- Can be configured for "Looping" continuously

Overview

Many web sites now offer video streams over IP available on demand. The world however needs a multichannel web streaming oriented video server that is flexible and easy to use.

The Infinity IP Server™ is a multichannel TS server with scheduling. It streams multiple HLS, RTMP, or .ts video and audio files from the on board SSD and 2 TB drive, with scheduled playlists. SSD’s eliminate the need for RAID to obtain maximum performance.

The Infinity IP Server stores content as transport streams and adds various “Wrappers” such as HLS, etc. at time of departure. The system can output a great many streams at the same time. The limit is the network interface.

The input of the stored content is stored on the hard drive via FTP file transfer. We are adding a drop folder soon.

Input can be individual files or multiple files. Numerous formats and file types are supported, including HLS, RTMP, H.264 ts, flv, H.264 ps, .mov, VC-1 (.wmv), mkv, and others. The Infinity IP Server naturally supports loopable playback.

This system is continually tested with the latest Atlas™, Wowza®,
and Adobe® Flash® servers, and many CDNs.

Applications

- Signage server for continuous streaming of multiple channels
to multiple end points and devices
- Streaming Server that resides at ISP or CDN for continuous
scheduled or looped streaming service to publish to your web
site
- Build your own streaming utility with streams you prepared
that are ready to play
- Great Movie Player for your school or small hotel
- Video Hosting for ISP's, etc...
- Stream capture and playback
**Inputs/Outputs**

(Either can be used for IP Output)

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**Sample of GUIs**

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**Specifications**

**Supported Resolutions – Input and Output**

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Input</th>
<th>Output</th>
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<tbody>
<tr>
<td>1920 x 1080</td>
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<td>720 x 576</td>
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Also supports any custom resolution not listed here.
Note: Supports closed captions.

**Input**

File Types Supported: H.264 ts, flv, H.264 ps, .mov, VC-1 (.wmv), mkv, and others

**IP Output**

Output “wrappers”: UDP, RTP, RTMP (Open Flash), HTTP, with DLNA support

Type: IP-multicast, IP-unicast

Video: NTSC or PAL

**Administration**

Access: Web interface, SSH (Secure command line interface)

SNMP: Monitoring and alerts

**CPU and Operating System**

CPU: Intel® Xeon® processor

OS: DVEO embedded Linux® on SSD

Hard Drive: 2 TB

**Physical & Power**

Size – 1 RU high: 19 x 14.96 x 1.7 inches (W x D x H)

Voltage: 100-240V, 4-2A, 60-50 Hz, 220 watts

Operating Temperature: 10°C to 35°C

Non-operating Humidity: 20% to 90% non-condensing

Conformities: UL, BSMI, CSA, FCC, CE, RoHS

Weight: 15 lbs. (6.8 kg)

**Security**

Ports security scanned to MIL requirements prior to shipment

**CDNs Tested With:**

1. Akamai*
2. Limelight
3. Tata
4. OctoShape
5. CDNetworks
6. Internap
7. Highwinds
8. Verizon*
9. Ustream*
10. Mirror Image
11. Tulix*
12. More to come!

*Certified

**Ordering Information**

Infinity IP Server 50ch 2TB in 1 RU system